

Special Issue

Heteroaromatic Compounds: Design, Synthesis and Biological Activity

Message from the Guest Editor

Heteroaromatic compounds play a pivotal role in drug discovery, serving as essential structural components in a vast array of marketed therapeutic compounds, drug candidates, and natural products. These cyclic compounds, characterized by the presence of atoms other than carbon in their ring structure, offer a wide range of chemical functionalities vital for modulating biological activity, leading to improved potency, selectivity, safety, and pharmacokinetic profile. The objective of this Special Issue is to highlight approaches related to the rational design, synthesis, and therapeutic potential of novel heteroaromatic compounds for the development of more reliable, target-based, and pharmacologically active compounds.

Guest Editor

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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